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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
AMENDMENT AFTER FINAL

APPLICANT: Engstrand

EXAMINER: Luu

ATTY. DOCKET NO.: MOT-P-00-001

SERIAL NO.: 09/690,151

FILING DATE: Oct. 17, 2000

GROUP ART UNIT: 2878

INVENTION: "AN APPARATUS, A SYSTEM AND A METHOD FOR POSITION MONITORING AND/OR CLEANING OF A MACHINE ELEMENT"

Mail Stop Non-Fee Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

SIR/MADAM:

In response to the Office Action dated June 18, 2003, please amend the above-identified application as follows:

IN THE CLAIMS:

1. (Currently amended) An apparatus for measuring displacement, the apparatus comprising:

a machine element having a body defining an interior wherein the ~~wall~~ body has an interior surface and a length defined between a first end and a second end;

a first wall at the first end;

a second wall at the second end substantially enclosing the interior;

a shaft element movable within the machine element;

a head element attached to the shaft element adjacent to the interior surface of the machine element;

a light source attached to on the interior surface of the